BRUHAT BANGALORE MAHANAGARA PALIKE
RAJARAJESHWARI NAGAR ZONE
O/o Executive Engineer(Ele), Rajarajeshwari nagara Zone, BBMP, Bangalore
Percentage tender Bill of Quantities
Memorandum showing the Specifications, Quantites and Rates of Items to be Executed

Name of Work : Providing Electrical M and R to Park lightings at ward No.16 RR Nagara Zone.

Name of the Agency :- Jaicab Electricals

Sl.No	Total Qty	Description of Item	Unit	Sanctioned Estimate Rate in Rs		Amount
				In figure	In words	
1	15	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100v grade, multistrand copper with low conductor resistence single core wire in open or consealed system of wiring wit specified IS-694:1990 & confirming to GTP of group A.A)1.5 sqmm	Per Mtr	18.60	Rupees Eighteen Only Paise Sixty Only	279.00
2	1	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and "C" type curve, indicator ON/OFF,energy cross-3 with Short circuit breaking capacity of 10 K and complete wiring as required confirming to IEC 60898. .40-63 AMPS TPN	Each	1936.00	Rupees One Thousand Nine Hundred and Thirty Six Only	1936.00
3	1	Supply and fixing of 4pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947.60-70Amps	Each	4774.00	Rupees Four Thousand Seven Hundred and Seventy Four Only	4774.00
4	1	Supplying and fixing Microprocessor Based Astronomical timer Switch with using necessary bolts, nuts and washers.	Each	4586.00	Rupees Four Thousand Five Hundred and Eighty Six Only	4586.00
5	85	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A. 4 core 16 sqmm	Per Mtr	140.40	Rupees One Hundred and Forty Only Paise Forty Only	11934.00
6	85	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.In existing trench/duct. 6 sqmm to 16 sqmm	Per Mtr	10.80	Rupees Ten Only Paise Eighty Only	918.00
7	85	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7)In soil (ordinary)	Per Mtr	78.00	Rupees Seventy Eight Only	6630.00
8	25000	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable	sqcm	0.33	Rupees Zero Only Paise Thirty Three Only	8250.00
9	6	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. and M.S. flat ... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint - 40x40x6mm	mtr	263.00	Rupees Two Hundred and Sixty Three Only	1578.00
10	11	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper with low conductor resistance single core wire in open or concealed system of wiring with specified IS-694:1990 & confirming to GTP of GROUP -A. 6 sqmm	Per Mtr	63.80	Rupees Sixty Three Only Paise Seventy Nine Only	701.80

EE (Ele)

.No	Total Qty	Description of Item	Unit	Sanctioned Estimate Rate in Rs		Amount
				In figure	In words	
11	1	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 122 mm dia	No	2727.00	Rupees Two Thousand Seven Hundred and Twenty Seven Only	2727.00
12	10	Supply and installaion / Fixing / Provision for mounting of HRC Fuse/ MCB with suitable connector/ terminal for 3 Ph / 1 Ph connections with Loop-In & Loop-Out terminals for 10 SQmm/25 Sqmm 3.5 C Al/ Ar Cable and branch out 2.5 Sqmm 2 core Al/Cu PVC insulated cable, enclosed in a Thermoplastic, Polystyrene enclosure, which should be shock proof having internally Embedded Gasket with provision for cable entry through IP65 Thermoplastic, polyamide glands and / or grommets. 200x200x98mm (PWD Electrical SR 2010-11)	Each	925.00	Rupees Nine Hundred and Twenty Five Only	9250.00
13A	30	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes. (Item No. - 7.21) 16 sqmm (Item No. - 7.21.6)	Each	11.31	Rupees Eleven Only Paise Thirty One Only	339.30
13B	3	25 sqmm Long Barrel (Item No. - 7.21.8)	Each	20.59	Rupees Twenty Only Paise Fifty Eight Only	61.77
14	3600	Supplying and fixing hylum plastic sheet 3mm thick with necessary nitches for fixing switches, regulators etc., and fixing on existing wood or metal box using N.F. screws.	Sq CM	0.22	Rupees Zero Only Paise Twenty Two Only	792.00
15	9	LED Post Top Lantern GARDEN.Supply of LED Post Top Lantern with system ... wattage, housing & frame shall be of powder coated, die cast aluminum, diffuser with high density polyethylene IP65 EPDM Gasket. Life 50000 Hrs. @ L70 shall be conforming to IS 10322/Part 5/ Section 5 @ 230V. 5 years Warranty against any manufacturing defect working under standard electrical condition LED Post Top Lantern with 24 watts	Each	15930.00	Rupees Fifteen Thousand Nine Hundred and Thirty Only	143370.00
16	9	Fixing charges of post top/ Gate/ Garden fitting /LED on the existing CI / GI or any other pipe using required size of reducer, wiring using suitable wires.	Each	145.00	Rupees One Hundred and Forty Five Only	1305.00
17	3	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers. 6.7.2) 32Amps	Each	180.00	Rupees One Hundred and Eighty Only	540.00
		Total				**199971.87**
		Tender Premium:- -6.30% Below				

I Agree to carry out this work at **-6.30%** Below the rates notified above as per the directions of Engineer incharge of Work

Executive Engineer(Electrical)
Rajarajeshwarinagar zone, BBMP

Contractor Seal & Sign